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TI HYDROGEN STORAGE MATERIAL  
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PA JAPAN STEEL WORKS LTD:THE  
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AB PURPOSE: To obtain a hydrogen storage material capable of effectively absorbing and releasing hydrogen at ordinary temp. and showing superior amount of hydrogen occlusion.  
CONSTITUTION: The material has a composition represented by a general formula  $Ti_{x/100}Cr_{2-y-z/100}V_{y/100}Fe_{x/100}$ , where the symbols (x), (y), and (z) stand for 0.5-1.2, >0-1.5, and >0-0.5, respectively, and (y+z) is >0 to <2.0. Because a plateau equilibrium pressure becomes ordinary pressure at ordinary temp. and further the amount of hydrogen occlusion is increased and also plateau characteristics are improved, this material can efficiently absorb and release hydrogen at ordinary temp. and can be effectively used for the storage, transportation, etc., of hydrogen.  
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